

# Converting Colors

XYZ(51.2788, 41.6332, 37.2312)

Have a look what the booklet for  
XYZ(51.2788, 41.6332, 37.2312)  
contains.

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# Color

**XYZ(51.4253, 41.7621,  
37.2488)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EC959D
RGB	236, 149, 157
RGB Percent	93%, 58%, 62%
CMY	0.0745, 0.4157, 0.3843
CMYK	0.00, 0.37, 0.33, 0.07
HSL	354°, 70%, 75%
HSV	354°, 37%, 93%
XYZ	51.4253, 41.7621, 37.2488
YIQ	175.9250, 49.2840, 20.9320

# Conversions

## Conversions Part 2

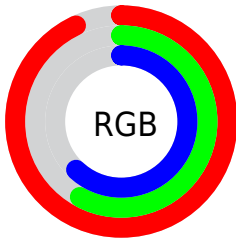
Format	Color
R <sub>Y</sub> B	236, 149, 157
Decimal	15504797
CIE Lab	70.71, 33.69, 9.62
CIE LCh	71, 35.037, 15.931
Yxy	41.7621, 0.3943, 0.3202
Android (android.graphics.Color)	4293694877 (0xFFEC959D)
YUV	175.9250, -9.3300, 52.6858
Hunter-Lab	64.6236, 28.9530, 11.0620

# Details

The XYZ color **51.4253, 41.7621, 37.2488** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **56.3953, 71.9828, 84.3243**, and the grayscale version is **41.2579, 43.4065, 47.2697**.

A 20% lighter version of the original color is **74.5907, 69.1489, 71.0437**, and **25.2363, 19.0550, 15.9835** is the 20% darker color. If you saturate the color by 10%, you get **46.3907, 34.3686, 27.3214**, and if you desaturate by 10%, it is **57.5396, 50.8010, 49.1203**.

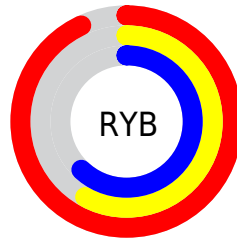
# Distribution



Red (93%)

Green (58%)

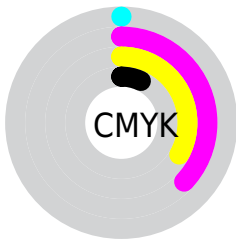
Blue (62%)



Red (93%)

Yellow (58%)

Blue (62%)

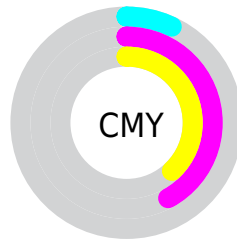


Cyan (0%)

Magenta (37%)

Yellow (33%)

Black (7%)



Cyan (7%)

Magenta (42%)


Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.4253, 41.7621, 37.2488 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 51.4253, 41.7621, 37.2488 by changing the saturation by 10% instead.





 51.4253, 41.7621,  
37.2488

 51.4253, 41.7621,  
37.2488


382.5744,  
353.4958, 349.5875

 36.7696, 28.9151,  
25.1029


 91.4624, 77.8394,  
72.1459

 25.2020, 19.0166,  
15.9340


 117.5745,  
101.8385, 95.7341

 16.3572, 11.6823,  
9.3236


148.2361,  
130.3238, 123.9735

 9.8697, 6.5277,  
4.8532

183.8126,  
163.6795, 157.2827

 5.3742, 3.1685,  
2.1041

224.6693,  
202.2902, 196.0802

 2.5055, 1.2203,  
0.6182

271.1716,

 0.8980, 0.0782,

246.5402, 240.7844

0.0000

323.6849,  
296.8140, 291.8140

■ 0.0000, 0.0000,  
0.0000

■ 51.4253, 41.7621,  
37.2488

■ 51.4253, 41.7621,  
37.2488

■ 46.3907, 34.3686,  
27.3214

■ 57.5396, 50.8010,  
49.1203

■ 42.3696, 28.5157,  
19.2320

■ 64.7879, 61.5696,  
63.0294

■ 39.2940, 24.0962,  
12.8682

■ 73.2249, 74.1538,  
79.0663

■ 37.0859, 20.9865,  
8.1040

■ 82.9007, 88.6320,  
97.3154

■ 35.6546, 19.0421,  
4.7964

■ 88.4021, 96.5729,  
108.5889

■ 34.8870, 18.0795,  
2.7757

■ 34.7339, 17.8896,  
2.3658

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.5369, 41.7621, 53.6952



51.4253, 41.7621, 37.2488



47.9755, 41.7621, 26.1513

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



51.4253, 41.7621, 37.2488



32.2007, 41.7621, 26.6625



37.0412, 41.7621, 84.0692

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



51.4253, 41.7621, 37.2488



56.3953, 71.9828, 84.3243

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



32.4243, 41.7621, 72.5290



51.4253, 41.7621, 37.2488



29.8198, 41.7621, 38.1340

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



51.4253, 41.7621, 37.2488



36.7077, 41.7621, 21.1362



29.8974, 41.7621, 54.8239



42.8373, 41.7621, 83.6649



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51.4253, 41.7621, 37.2488



44.4229, 41.7621, 22.0812



29.8974, 41.7621, 54.8239



35.3125, 41.7621, 81.3562

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



51.4264, 41.7641, 37.2496



82.9121, 81.8575, 85.9459



57.6622, 43.9329, 84.7976



17.4530, 17.0829, 17.8379



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



51.4264, 41.7641, 37.2496



56.7914, 43.1485, 35.5205



57.1171, 54.2025, 35.8882



15.1217, 15.0765, 15.9261



19.1662, 9.8692, 1.4104



1.5242, 0.7827, 0.2121



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



51.4264, 41.7641, 37.2496



56.7914, 43.1485, 35.5205



48.4698, 54.3141, 87.2859



15.1217, 15.0765, 15.9261



19.1662, 9.8692, 1.4104



1.5242, 0.7827, 0.2121



# Previews

## White Background



This preview shows how the XYZ color 51.4253, 41.7621, 37.2488 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.4253, 41.7621, 37.2488 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 51.4253, 41.7621, 37.2488**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.4253, 41.7621, 37.2488.



This preview shows how white text looks on a background with the XYZ color 51.4253, 41.7621,

37.2488.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

51.4253, 41.7621, 37.2488

### Protanopia

40.3307, 42.1365, 44.0377

### Deuteranopia

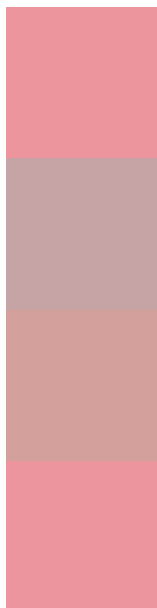
42.6774, 41.8408, 36.3986



## Tritanopia

51.6847, 41.8658, 38.6145

# Trichromacy



## Original Color

51.4253, 41.7621, 37.2488

## Protanomaly

43.3557, 41.2733, 41.2788

## Deuteranomaly

45.3512, 41.3571, 36.6028

## Tritanomaly

51.5975, 41.8310, 38.1556

# Monochromacy



## Original Color

51.4253, 41.7621, 37.2488

## Achromatopsia

41.2663, 43.4154, 47.2793

## Achromatomaly

44.0864, 42.1428, 43.3469

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.4253, 41.7621, 37.2488 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(236, 149, 157)` looks like.

```
.text, #text, p{  
    color:rgb(236, 149, 157)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(236, 149, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 149, 157) }
```

## Border

The CSS property to change the border of an element to XYZ 51.4253, 41.7621, 37.2488 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(236, 149, 157) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(236, 149, 157) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(236, 149, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 149, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 149, 157);  
box-shadow:4px 4px 4px 4px rgb(236, 149,  
157) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.4253, 41.7621, 37.2488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 149, 157) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(236,  
149, 157) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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